Exhibit 11

Exhibit 11 – U.S. Patent No. 7,917,829

Claims	Identification
[1pre] A method for low-density parity-check (LDPC) encoding data, comprising:	Sophos WiFi Access Points execute a method for LDPC via Qualcomm WiFi Chipsets. For example, the AP 55 uses the Qualcomm QCA 9880. The APX 740 uses the Qualcomm IPQ8069  https://fccid.io/2ACTO-AP55/Internal-Photos/Internal-Photos-2586106 **Qualcomm QCA9880** **Features** •WLAN CPU supports low-level setup of PHY and RF to offload the host processor for other tasks •Dynamic frequency selection (DFS) in required 5-GHz bands when used as an AP •3x3 MIMO technology improves effective throughput and range over existing 802.11a/b/g products •Supports spatial multiplexing, cyclic-delay diversity (CDD), low-density parity check (LDPC), maximal ratio combining (MRC), Space Time Block Code (STBC) https://www.qualcomm.com/products/internet-of-things/networking/wi-fi-networks/qca9880

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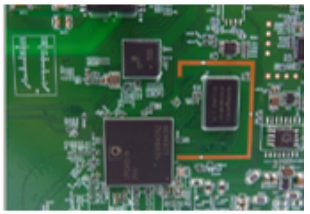
Claims	Identification
	Sophos WiFi Access Points implement LDPC via Qualcomm WiFi Chipsets. For example, the APX320 uses the Qualcomm IPQ4019



https://fcc.report/FCC-ID/2ACTO-APX320X/4811302.pdf

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Claims	Identification
	Sophos WiFi Access Points implement LDPC via Qualcomm WiFi Chipsets. For example, the WiFI expansion module 7933DMC uses the Qualcomm QCA 9882  https://fcc.report/FCC-ID/2ACTO-7933DMC/6148568.pdf **Product Highlights - KEY FEATURES** • Qualcomm Atheros QCA9882 • 2.4GHz max 21dBm & 5GHz max 20dBm output power (per chain) • IEEE 802.11ac compliant & backward compatible with 802.11a/b/g/n • 2x2 MIMO Technology, up to 867Mbps • Mini PCI Express edge connector • Supports Spatial Multiplexing, Cyclic-Delay Diversity (CDD), Low-Density Parity Check (LDPC) Codes, Maximal Ratio Combining (MRC), Space Time Block Code (STBC) https://www.524wifi.com/index.php/wle600vx-7a-minipcie-qca9882-module-802-11ac-2-2-2-4-5ghz-compex.html

Claims	Identification
	Sophos devices (e.g., WiFi Access Points) implement LDPC. For example, AP6 access point transmits a beacon indicating support for LDPC Tag: SSID parameter set: "Sophos AP6 840 94172A_2" HT Capabilities Info: 0x098d ....1 = HT LDPC coding capability: Transmitter supports receiving LDPC coded packets Source: Wireshark PCAP file for AP6 Serial No. PC1005PC2DT28CO MAC address:

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Claims	Identification
	IEEE Std 802.11-2020 **IEEE Standard for** **Information technology—** **Telecommunications and information** **exchange between systems—** **Local and metropolitan area networks—** **Specific requirements** **Part 11: Wireless LAN Medium Access Control (MAC)** **and Physical Layer (PHY) Specifications** **Amendment 5: Enhancements for Higher** **Throughput** **19.3.11.7.3** LDPC encoder For each of the three available codeword block lengths, the LDPC encoder supports rate 1/2, rate 2/3, rate 3/4, and rate 5/6 encoding. The LDPC encoder is systematic, i.e., it encodes an information block, c=(i0,i1,..., i(k–1)), of size k, into a codeword, c, of size n, c=(i0,i1,... i(k–1), p0, p1,..., p(n–k–1)), by adding n–k parity bits obtained so that H×cT = 0, where H is an (n–k)×n parity-check matrix. The selection of the codeword block length (n) is achieved via the LDPC PPDU encoding process described in 19.3.11.7.5.

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Claims	Identification
[1a] receiving input data from a data source;	**The Sophos access points receive input data from a data source when power is applied and the AP is configured.** **Configuration** After successfully establishing network connectivity the status LED turns to solid green. The AP is now ready to be managed. 1.Sign into Sophos Central at central.sophos.com. 2.If you don't yet have a Sophos Central Account, please create one. 3.Register the AP in your Sophos Central account by entering the serial number. Note: After powering on the AP, there is a 15-minute window to register it in Sophos Central, or the AP will have to be either hard rebooted or rebooted using the local web interface. 4.After the AP is registered in Sophos Central, please upgrade the AP to the latest firmware version. Advanced configuration: The advanced options can be configured in the local web interface of the AP. 1.Register the AP in Sophos Central (see above). 2.Open a web browser on your computer, enter the IP address assigned from the DHCP server/ default IP address and press enter. To access the web interface of the AP after registering it in Sophos Central, use the default credentials with the username as "admin" and the unique password for this AP [See back of your AP6 for the Unique Password]. https://docs.sophos.com/nsg/hardware/quickstart/ap6/en-us/sophos-quick-start-guide-ap6.pdf

Claims	Identification
	IEEE Std 802.11-2020 **19.3.4 Overview of the PPDU encoding process** The encoding process is composed of the steps described below. The following overview is intended to facilitate an understanding of the details of the convergence procedure: f) Initiate the scrambler with a pseudorandom nonzero seed, generate a scrambling sequence, and exclusive-OR (XOR) it with the string of data bits, as described in 17.3.5.5. i) If BCC encoding is to be used, encode the extended, scrambled data string with a rate 1/2 convolutional encoder (see 17.3.5.6). Omit (puncture) some of the encoder output string (chosen according to puncturing pattern) to reach the coding rate, R, corresponding to the TXVECTOR parameters MCS or L_DATARATE. Refer to 19.3.11.6 for details. If LDPC encoding is to be used, encode the scrambled data stream according to 19.3.11.7.5.

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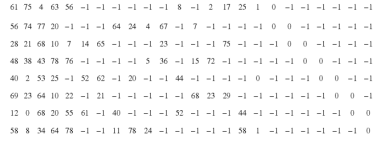
Claims	Identification
[1b] applying the following expanded parity check matrix to the input data to generate encoded data with a code length of 1944: 	**IEEE Std 802.11-2020** **19.3.3 Transmitter block diagram** HT-mixed format and HT-greenfield format transmissions can be generated using a transmitter consisting of the following blocks: c) FEC encoders encode the data to enable error correction. An FEC encoder may include a binary convolutional encoder followed by a puncturing device, or it may include a low-density parity check (LDPC) encoder. **19.3.4 Overview of the PPDU encoding process** i) If BCC encoding is to be used, encode the extended, scrambled data string with a rate 1/2 convolutional encoder (see 17.3.5.6). Omit (puncture) some of the encoder output string (chosen according to puncturing pattern) to reach the coding rate, R, corresponding to the TXVECTOR parameters MCS or L_DATARATE. Refer to 19.3.11.6 for details. If LDPC encoding is to be used, encode the scrambled data stream according to 19.3.11.7.5. **19.3.11.7.5 LDPC PPDU encoding process** For all values of *Nshrt*, encode each of the codewords using the LDPC encoding technique described in 19.3.11.7.2 to 19.3.11.7.4. **19.3.11.7.3 LDPC encoder** For each of the three available codeword block lengths, the LDPC encoder supports rate 1/2, rate 2/3, rate 3/4, and rate 5/6 encoding. The LDPC encoder is systematic, i.e., it encodes an information block, c=(i0,i1,..., i(k–1)), of size k, into a codeword, c, of size n, c=(i0,i1,... i(k–1), p0, p1,..., p(n–k–1)), by adding n–k parity bits obtained so that H×cT = 0, where H is an (n–k)×n parity-check matrix. The selection of the codeword block length (n) is achieved via the LDPC PPDU encoding process described in 19.3.11.7.5.

Claims	Identification
	The Sophos access points apply an expanded parity check matrix to the input data when power is applied and the AP is configured. **Configuration** After successfully establishing network connectivity the status LED turns to solid green. The AP is now ready to be managed. 1.Sign into Sophos Central at central.sophos.com. 2.If you don't yet have a Sophos Central Account, please create one. 3.Register the AP in your Sophos Central account by entering the serial number. Note: After powering on the AP, there is a 15-minute window to register it in Sophos Central, or the AP will have to be either hard rebooted or rebooted using the local web interface. 4.After the AP is registered in Sophos Central, please upgrade the AP to the latest firmware version. Advanced configuration: The advanced options can be configured in the local web interface of the AP. 1.Register the AP in Sophos Central (see above). 2.Open a web browser on your computer, enter the IP address assigned from the DHCP server/ default IP address and press enter. To access the web interface of the AP after registering it in Sophos Central, use the default credentials with the username as "admin" and the unique password for this AP [See back of your AP6 for the Unique Password]. https://docs.sophos.com/nsg/hardware/quickstart/ap6/en-us/sophos-quick-start-guide-ap6.pdf

Claims	Identification

IEEE Std 802.11-2020

Annex F
(normative)
HT LDPC matrix definitions

Table F-3 defines the matrix prototypes of the parity-check matrices for a codeword block length n = 1944 bits, with a subblock size $Z = 81$ bits.

(b) Coding rate R = 2/3.

61	75	4	63	56	-	-	-	-	-	-	8	-	2	17	25	1	0	-	-	-	-	-	-
56	74	77	20	-	-	-	64	24	4	67	-	7	-	-	-	-	0	0	-	-	-	-	-
28	21	68	10	7	14	65	-	-	-	23	-	-	-	75	-	-	-	0	0	-	-	-	-
48	38	43	78	76	-	-	-	-	5	36	-	15	72	-	-	-	-	-	0	0	-	-	-
40	2	53	25	-	52	62	-	20	-	-	44	-	-	-	-	0	-	-	-	0	0	-	-
69	23	64	10	22	-	21	-	-	-	-	-	68	23	29	-	-	-	-	-	-	0	0	-
12	0	68	20	55	61	-	40	-	-	-	52	-	-	-	44	-	-	-	-	-	-	0	0
58	8	34	64	78	-	-	11	78	24	-	-	-	-	-	58	1	-	-	-	-	-	-	0

Claims	Identification
[1c] wherein −1 represents an 81×81 all-zero square matrix, and all other integers represent an 81×81 identity matrix, circularly right shifted a respective number of times corresponding to the respective integers.	**IEEE Std 802.11-2020** **19.3.11.7.4 Parity-check matrices** Each of the parity-check matrices is partitioned into square subblocks (submatrices) of size Z × Z. These submatrices are either cyclic-permutations of the identity matrix or null submatrices. The cyclic-permutation matrix Pi is obtained from the Z × Z identity matrix by cyclically shifting the columns to the right by i elements. The matrix P0 is the Z × Z identity matrix. Figure 19-12 illustrates examples (for a subblock size of 8 × 8) of cyclic-permutation matrices Pi. Table F-1 displays the "matrix prototypes" of parity-check matrices for all four coding rates at block length n=648 bits. The integer i denotes the cyclic-permutation matrix Pi, as illustrated in Figure 19-12. Vacant entries of the table denote null (zero) submatrices. Table F-2 displays the matrix prototypes of parity-check matrices for block length n=1296 bits, in the same fashion. Table F-3 displays the matrix prototypes of parity-check matrices for block length n=1944 bits, in the same fashion.

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HT LDPC matrix definitions

Table F-3 defines the matrix prototypes of the parity-check matrices for a codeword block length n = 1944 bits, with a subblock size Z = 81 bits.

(b) Coding rate R = 2/3.

61	75	4	63	56	–	–	–	–	–	–	8	–	2	17	25	1	0	–	–	–	–	–	–
56	74	77	20	–	–	–	64	24	4	67	–	7	–	–	–	–	0	0	–	–	–	–	–
28	21	68	10	7	14	65	–	–	–	23	–	–	–	75	–	–	–	0	0	–	–	–	–
48	38	43	78	76	–	–	–	–	5	36	–	15	72	–	–	–	–	–	0	0	–	–	–
40	2	53	25	–	52	62	–	20	–	–	44	–	–	–	–	0	–	–	–	0	0	–	–
69	23	64	10	22	–	21	–	–	–	–	–	68	23	29	–	–	–	–	–	–	–	0	0	–
12	0	68	20	55	61	–	40	–	–	–	52	–	–	–	44	–	–	–	–	–	–	0	0
58	8	34	64	78	–	–	11	78	24	–	–	–	–	–	58	1	–	–	–	–	–	–	0